

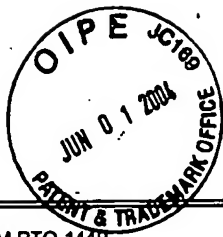
SHEET 1 OF 6

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 2997-1-3-2-2	SERIAL NO. 10789,635
	APPLICANT BARCLAY	
	FILING DATE February 27, 2004	GROUP ART 1651

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
JPW	1.	6,451,567	9/17/2002	Barclay	435	134	
	2.	6,054,147	4/2000	Barclay et al.	426	2	
	3.	5,958,426	9/1999	Moreau et al.	424	283.1	
	4.	5,908,622	6/1999	Barclay	424	93.1	
	5.	5,698,244	12/1997	Barclay	426	2	
	6.	5,688,500	11/18/97	Barclay	424	93.1	
	7.	5,656,319	8/1997	Barclay	426	574	
	8.	5,547,699	8/20/96	Iizuka et al.	426	615	
	9.	5,518,918	5/21/96	Barclay	435	257.1	
	10.	5,492,828	2/20/96	Premuzic et al.	435	245	
	11.	5,415,879	5/16/95	Oh	426		
	12.	5,340,742	8/23/94	Barclay	435	256.8	
	13.	5,340,594	8/23/94	Barclay	426	49	
	14.	5,272,085	12/21/93	Young et al.	435	254.2	
	15.	5,234,699	8/10/93	Yeo	426	2	
	16.	5,133,963	7/28/92	Ise	424	94.61	
	17.	5,130,242	7/14/92	Barclay	435	134	
	18.	5,012,761	5/7/91	Oh	119	6	
	19.	4,918,104	4/17/90	Weiss et al.	514	560	
	20.	4,871,551	10/3/89	Spencer	428	2	
	21.	4,792,418	12/20/88	Rubin et al.	554	186	
	22.	4,758,438	7/1988	Stroz et al.			
	JPW	23.	4,670,285	6/2/87	Clandinin et al.	426	602
24.		4,304,794	12/1981	Dwivedi et al.	426	548	

EXAMINER <i>Julia K. Wain</i>	DATE CONSIDERED <i>9-20-05</i>
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SHEET 2 OF 6

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
Jaw	25.	3,924,017	12/1975	Lee et al.			
	26.	3,908,028	9/1975	Neely et al.			
	27.	3,908,026	9/1975	Neely et al.	426	538	
	28.	3,667,969	6/1972	Kracauer			
Jaw	29.	3,647,482	3/1972	Yueh			
	30.	3,296,079	1/1967	Griffin	167	93	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
Jaw	31.	WO 92/12711	08/06/92	PCT				
	32.	WO 91/14427	10/03/91	PCT				
	33.	WO 89/00606	1/26/89	PCT				
	34.	WO 88/10112	12/29/88	PCT				
Jaw	35.	60-105471	10/6/85	JAPAN				
	36.	58-213613	6/10/85	JAPAN				
	37.	58-196068	5/17/85	JAPAN				
	38.	1/557/635	2/21/69	FRANCE				
	39.	0 231 904 A2	08/12/87	EPO				

EXAMINER <i>Donald K. Way</i>	DATE CONSIDERED 3-20-05
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OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

Jea	40.	Ainsworth, "Introduction and Keys to Higher Taxa," pp. 1-7, 1973, in <i>The Fungi. An Advanced Treatise</i> , Vol. 4B, (G.C. Ainsworth et al. eds., Academic Press)
	41.	Akimoto et al., <i>JAOCS</i> , 68:504-508, 1991
	42.	Ando et al., <i>J. Ferm. Bioeng.</i> , 73:169-171, 1992
	43.	Bahnweg et al., "A New Approach to Taxonomy of the Thraustochytriales and Labyrinthulales," pp. 131-140, 1986, in <i>The Biology of Marine Fungi</i> , (S.T. Moss ed., Cambridge University Press)
	44.	Bajpai et al., <i>Appl. Microbiol. Biotechnol.</i> , 35:706-710, 1991
	45.	Bajpai et al., <i>JAOCS</i> , 68:775-780, 1991
	46.	Bajpai et al., <i>Mycol. Res.</i> , 95:1294-1298, 1991
	47.	Bajpai et al., <i>JAOCS</i> , 68:509-514, 1991
	48.	Bartrick-Garcia, "The Cell Wall: A Crucial Structure in Fungal Evolution," pp. 389-403, 1988, in <i>Evolutionary Biology of the Fungi</i> , (A.D.M. Rayner et al. eds., Cambridge University Press)
	49.	Beach and Holz, <i>Biochim Biophys Acta</i> , 316:56-65 (1973)
	50.	Behrens et al., "Eicosapentaenoic Acid from Microalgae" <i>Novel Microb. Prod. Med. Agric.</i> pp. 253-259, 1989
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	52.	Boswell et al., "SCO Production by Fermentative Microalgae," pp. 274-286, 1992, in <i>Industrial Applications of Single Cell Oils</i> (Kyle et al., eds.), American Oil Chemists' Society, Champaign, IL.
	53.	Cavalier-Smith, "The Origin of Nuclei and of Eukaryotic Cells," pp. 463-468, 1975, <i>Nature</i> , Vol. 256
	54.	Cerda-Olmeda et al., "A Biography of <i>Phycomyces</i> ," pp. 7-26, 1987, in <i>Phycomyces</i> , (Cerda-Olmeda et al. eds., CSH Laboratory)
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	58.	Dick, "Saprolegniales," pp. 113-144, 1973, in <i>The Fungi. An Advanced Treatise</i> , (G.C. Ainsworth et al. eds., Academic Press))
	59.	Ellenbogen, "Polyunsaturated Fatty Acids of Aquatic Fungi: Possible Phylogenetic Significance," <i>Comp. Biochem. Physiol.</i> , 1969, Vol. 29, pp. 805-811
	60.	Emerson, "Current Trends of Experimental Research in the Aquatic Phycomycetes," <i>Ann. Rev. Micro.</i> , 1950, Vol. 4; pp. 169-200
Jea	61.	Erwin, "Comparative Biochemistry of Fatty Acids in Eukaryotic Microorganisms," pp. 41-143, 1973, in <i>Lipids and Biomembranes of Eukaryotic Microorganisms</i> , (J. Erwin ed., Academic Press)

EXAMINER <i>John K. Wu</i>	DATE CONSIDERED 3-20-05
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Jen	62.	Findlay et al., "Biochemical Indicators of the Role of Fungi and Thraustochytrids in Mangrove Detrital Systems," pp. 91-103, 1986, In <i>The Biology of Marine Fungi</i> , (S.T. Moss ed., Cambridge University Press)
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	68.	Goldstein et al., "Biology of a Problematic Marine Fungus, <i>Democystidium</i> sp. I. Development and Cytology," pp. 1-11, 1966, <i>Archiv für Mikrobiologie</i> , Vol. 53.1
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	71.	Hansen et al., <i>Phytochemistry</i> , 30:1837-1841, 1991
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	75.	Hori et al., "The Nucleotide Sequence of 5S rRNA from a Cellular Slime Mold <i>Dictyostellium Discoideum</i> ," pp. 5535-5539, 1980, <i>Nucl. Acids Res.</i> , Vol. 8
	76.	Hunter, "Fish Oil and Other Omega-3 Sources," pp. 1592-1596, 1987, <i>J. Am. Oil Chem. Soc.</i> , Vol. 64
	77.	Jong et al., "American Type Culture Collection Catalogue of Fungi/Yeast," pp. 350 and 378, <i>American Type Culture Collection</i> , 17th Edition, 1987.
	78.	Kates, "Techniques of Lipidology: Isolation, Analysis and Identification of Lipids," pp. 186-278, 1986, <i>Laboratory Techniques in Biochemistry and Molecular Biology</i> , Vol. 3
	79.	Kendrick et al., <i>SIM Industrial Microbiology NEWS</i> , 42 59-65, 1992
	80.	Kendrick et al., <i>LIPIDS</i> , 27:15-20, 1992
	81.	Kyle, "Microalgae as a Source of EPA-Containing Oils," p. 495, col. 2, abstract no. 22136, 1988, Chemical Abstracts, Vol. 111, No. 3, 17 July 1989
Jen	82.	Kyle et al., "Bioproduction of Docosahexaenoic Acid (DHA) by Microalgae," pp. 287-300, 1992, in <i>Industrial Applications of Single Cell Oils</i> (Kyle et al., eds.), American Oil Chemists' Society, Champaign, IL.

EXAMINER <i>John K. Kuan</i>	DATE CONSIDERED 3-20-05
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83.	Kyle, "Microalgae as a Source of EPA-Containing Oils," p. 1251, 1987, <i>J. Am. Oil Chem. Soc.</i> , Vol. 64
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95.	Pigot, "The Need to Improve Omega-3 Content of Cultured Fish," pp. 63-68, 1989, <i>World Aquaculture</i> , Vol. 20
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97.	Radwan, <i>Appl. Microbiol. Biotechnol.</i> , 35:421-430, 1991
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101.	Schneider, "Cultivation of Micro-organisms. Section 3.2: Fungi," pp. 337-345, 1976, in <i>Marine Ecology</i> , Vol. 3, Part 1. <i>Cultivation</i> , (O. Kinne ed., Wiley and Sons)
102.	Simopoulos et al. (eds.), <i>Health Effects of Polyunsaturated Fatty Acids in Seafoods</i> , Chaps. 2-5, 7, 17, 1986, Academic Press)
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Jen	105.	Todorov, D., "Possibilities for Increasing the Biological Value of Alimentary Protein", KHIGZDRAVFODAZ, 1978, 21(3), p. 291-297.
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	109.	Yamada et al., "Production of Arachidonic Acid and Eicosapentaenoic Acid by Microorganisms," p. 1254, 1987, <i>J. Am. Oil Chem. Soc.</i> , Vol. 64
	110.	Yamada et al., "Production of Dihomo- γ -Linolenic Acid, Arachidonic Acid and Eicosapentaenoic Acid by Filamentous Fungi", pp. 118-138, 1992, in <i>Industrial Applications of Single Cell Oils</i> (Kyle et al., eds.), American Oil Chemists' Society, Champaign, IL.
	111.	Yazawa et al., "Production of Eicosapentaenoic Acid from Marine Bacteria", pp. 29-51, 1992, in <i>Industrial Applications of Single Cell Oils</i> (Kyle et al., eds.), American Oil Chemists' Society, Champaign, IL.
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Jen	113.	Yongmanitchai et al., "Omega-3 Fatty Acids: Alternative Sources of Production," pp. 117-125, 1989, <i>Proc. Biochem.</i>

EXAMINER	<i>Deborah K. Warr</i>	DATE CONSIDERED	3-20-05
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